

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Frederick A. GAGE; Debra J. BATTJES SILER

Application No.: New U.S. Patent Application

Filed: August 27, 2001

Docket No.: 106996

For: METHODS OF THROMBOLYTIC ORGAN TREATMENT AND REPAIR

PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Please replace paragraphs [0002] and [0032] as follows:

[0002] The invention relates to organ perfusion. In particular, the invention relates to compositions and processes for organ perfusion with a thrombolytic agent, such as Streptokinase, to enhance the viability of the organ.

[00032] The specific pressures, length of perfusion time and particular temperatures will vary depending on the particular organ or organs being perfused. For example, hearts and kidneys are preferably perfused at a pressure of approximately 10 to 100 mm Hg and a flow rate of approximately 3 to 5 ml/min. for up to approximately 2 to 4 hours at normothermic temperatures. Perfusion within these parameters is designed to maintain and/or restore the viability of the organ by restoring and/or maintaining pre-ischemia energy levels of the organ. These organs are then preferably perfused at a pressure of approximately

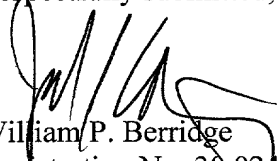
10 to 30 mm Hg and a flow rate of approximately 1 to 2 ml/min. for as long as approximately 72 hours to 7 days at hypothermic temperatures for storage and/or transport. However, these criteria will vary depending on the condition of the particular organ, the donor body and/or the donee body and/or on the size of the particular organ. One of ordinary skill in the art can select appropriate conditions without undue experimentation in view of the guidance set forth herein. Other organs that may be perfused according to the method of the invention may include, but are not limited to, the liver, pancreas, lungs and intestines.

REMARKS

Claims 1 - 1-43 are pending. By this Preliminary Amendment, paragraphs [0002] and [0032] are amended to correct typographical errors. Prompt and favorable examination on the merits is respectfully requested.

The attached Appendix includes marked-up copies of each rewritten paragraph (37 C.F.R. §1.121(b)(1)(iii)).

Respectfully submitted,


William P. Berridge
Registration No. 30,024

Joel S. Armstrong
Registration No. 36,430

WPB:JSA/kaf

Attachment:
Appendix

Date: August 27, 2001

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
--

APPENDIX

Changes to Specification:

The following is a marked-up version of the amended paragraph:

[0002] The invention relates to organ ~~or~~ perfusion. In particular, the invention relates to compositions and processes for organ perfusion with a thrombolytic agent, such as Streptokinase, to enhance the viability of the organ.

[0032] The specific pressures, length of perfusion time and particular temperatures will vary depending on the particular organ or organs being perfused. For example, hearts and kidneys are preferably perfused at a pressure of approximately 10 to 100 mm Hg and a flow rate of approximately 3 to 5 ml/min. ~~[ISN'T IT JUST ML/MIN?]~~for up to approximately 2 to 4 hours at normothermic temperatures. Perfusion within these parameters is designed to maintain and/or restore the viability of the organ by restoring and/or maintaining pre-ischemia energy levels of the organ. These organs are then preferably perfused at a pressure of approximately 10 to 30 mm Hg and a flow rate of approximately 1 to 2 ml/min. ~~[ISN'T IT JUST ML/MIN?]~~for as long as approximately 72 hours to 7 days at hypothermic temperatures for storage and/or transport. However, these criteria will vary depending on the condition of the particular organ, the donor body and/or the donee body and/or on the size of the particular organ. One of ordinary skill in the art can select appropriate conditions without undue experimentation in view of the guidance set forth herein. Other organs that may be perfused according to the method of the invention may include, but are not limited to, the liver, pancreas, lungs and intestines.